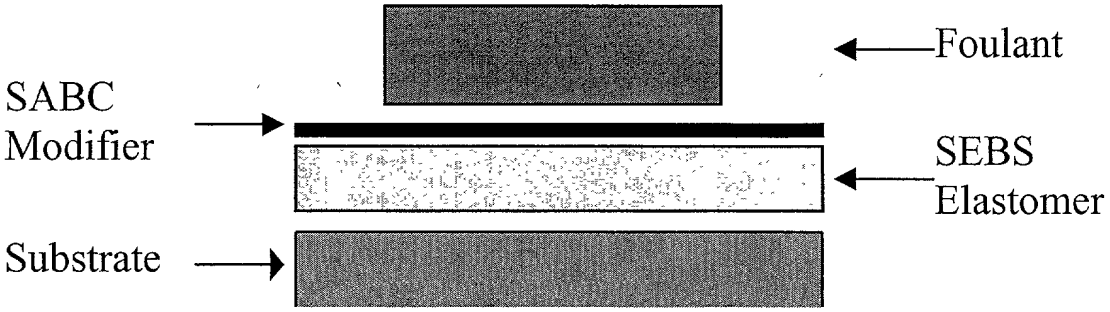

Figure 1

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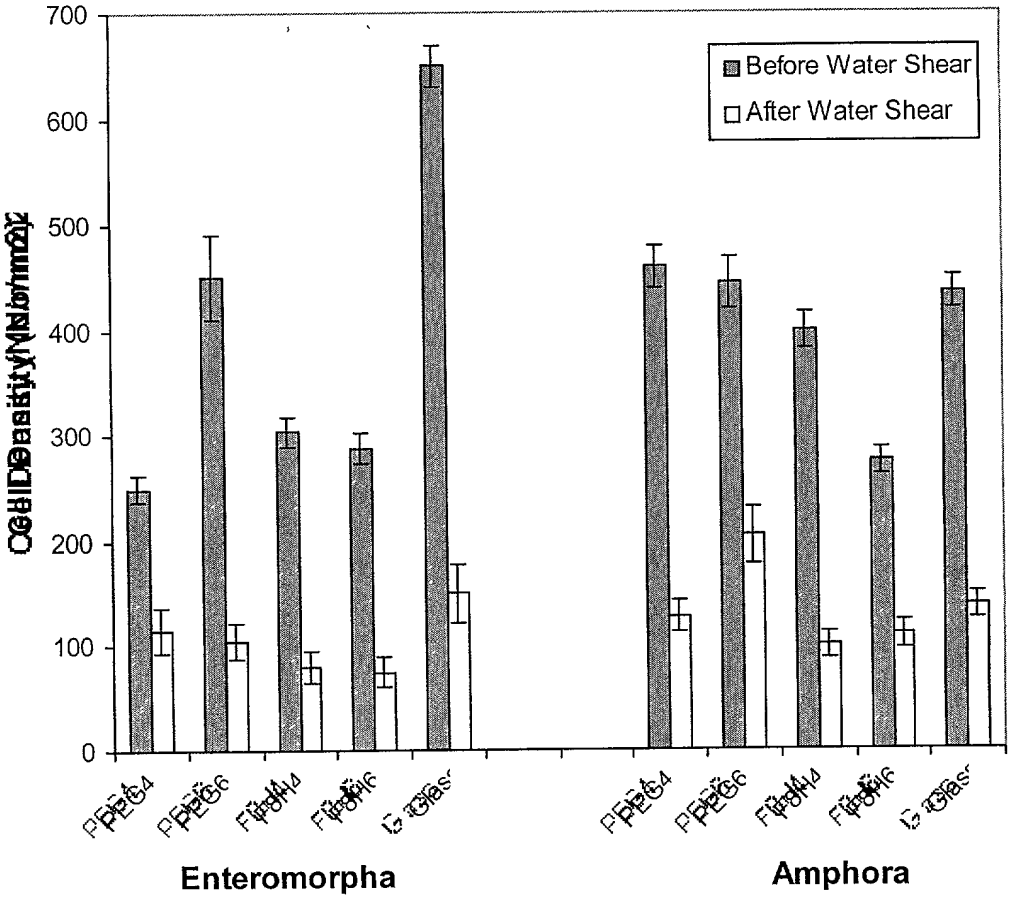

700
600
500
400
300
200
100
0
Before Water Shear
After Water Shear
Enteromorpha
Amphora

Figure 2

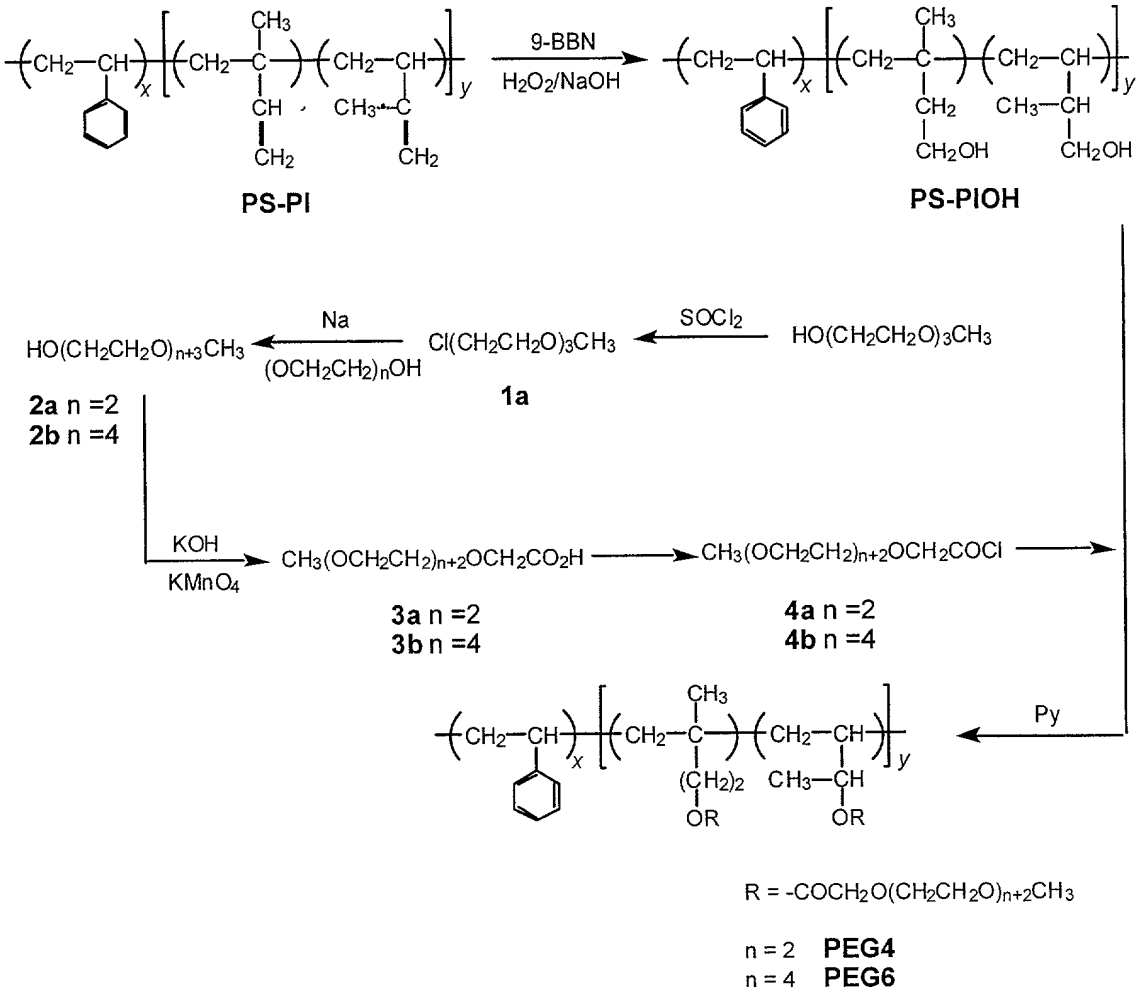
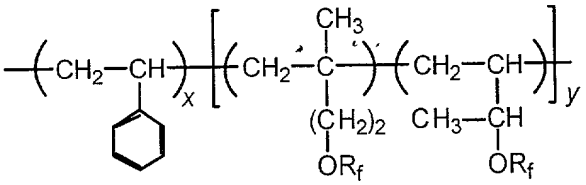

9-BBN
H2O2/NaOH
PS-PI
PS-PIOH
SOCl2
Na
(OCH2CH2)nOH
1a
2a n =2
2b n =4
KOH
KMnO4
3a n =2
3b n =4
4a n =2
4b n =4
Py
R = -COCH2O(CH2CH2O)n+2CH3
n = 2 PEG4
n = 4 PEG6

Figure 3



$R_f = -CO(CH_2)_n(CF_2)_8F$

n = 4 **F8H4**
n = 6 **F8H6**

Figure 4

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